

=====

Sequence Listing was accepted with existing errors.  
See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Jun 27 16:25:43 EDT 2007

=====

Application No: 10517695 Version No: 1.1

**Input Set:**

**Output Set:**

**Started:** 2007-06-27 16:25:17.730  
**Finished:** 2007-06-27 16:25:17.867  
**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 137 ms  
**Total Warnings:** 0  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 8  
**Actual SeqID Count:** 8

SEQUENCE LISTING

<110> EVANS, MARK J.

HARNISH, DOUGLAS C.

<120> INHIBITORS OF INFLAMMATORY GENE ACTIVITY AND  
CHOLESTEROL BIOSYNTHESIS

<130> 36119.159US4

<140> 10/517,695

<141> 2004-12-13

<150> PCT/US03/18651

<151> 2003-06-13

<150> 60/387,915

<151> 2002-06-13

<150> 60/470,188

<151> 2003-05-14

<160> 8

<170> PatentIn Ver. 3.3

<210> 1

<211> 1168

<212> DNA

<213> Homo sapiens

<400> 1

gagctggaaatgagagcaga tccctaaccatgaggcaccagg ccaaccagggg gcctgcggcat 60  
gccaggggagc tgcaagccgc cccgccccatttcttacgcact tcttagctcc agcctcaagg 120  
ctgtcccccc accccgttagc cgctgccttat gttaggcagca cccggcccggtc cagctatgtg 180  
cacctcatcg cacctgcgg gaggcccttgatgttctggca caagacagtgc gccttcctca 240  
ggAACCTGCC atccttctgg cagctgcctc cccaggacca gcggcggtc ctgcaggggtt 300  
gctggggccc cctcttcctg cttgggttgg cccaagatgc tgtgaccttt gaggtggctg 360  
aggccccgggt gcccagcata ctcaagaaga ttctgctggaa ggagcccgac agcagtggag 420  
gcagtgccca actgccagac agaccccgac cttccctggc tgcgggtcag tggcttcaat 480  
gctgtctggatgccttgc agcctggggatgc tttagcccaa ggaatatgcc tgcctgaaag 540  
ggaccatccttcttcaacccttcatgtgtccag gcctccaaagc cgccctccac attggggcacc 600  
tgcagcagga ggctcaactggatgtgtgc aagtccctggaa accctgggtc ccagcagccc 660  
aaggccgcctt gaccctgttc ctctcacgg cttccaccctt caagtccatt ccgaccagcc 720  
tgcttggggatgccttgc cttccatca ttggagatgt tgacatgcgtt ggccttcttg 780  
gggacatgttttgccttgcggatgtgtgc cttccatca ttggagatgt tgacatgcgtt ggccttcttg 840  
ctggcagtgc tgattcagcc tggccatccc cagaggtgac ccaatgcctcc tggaggggca 900  
agcctgtata gacagcactt ggctcccttag gaacagctct tcactcagcc acacccacaca 960  
ttggacttcc ttgggttggaa cacagtgcctc cagctgcctg ggaggctttt ggtggcccc 1020  
acagcctctg ggccaagact cttgtccctt cttggatgtaa gaatgaaagc tttaggtgtt 1080  
tattggacca gaagtccatcgacttata cagaactgaa ttaagttatt gatTTTGTAA 1140  
ataaaaaggtatgaaacactaaaaaaa 1168

<210> 2

<211> 257

<212> PRT

<213> Homo sapiens

<400> 2

Met Ser Thr Ser Gln Pro Gly Ala Cys Pro Cys Gln Gly Ala Ala Ser  
1 5 10 15

Arg Pro Ala Ile Leu Tyr Ala Leu Leu Ser Ser Ser Leu Lys Ala Val  
20 25 30

Pro Arg Pro Arg Ser Arg Cys Leu Cys Arg Gln His Arg Pro Val Gln  
35 40 45

Leu Cys Ala Pro His Arg Thr Cys Arg Glu Ala Leu Asp Val Leu Ala  
50 55 60

Lys Thr Val Ala Phe Leu Arg Asn Leu Pro Ser Phe Trp Gln Leu Pro  
65 70 75 80

Pro Gln Asp Gln Arg Arg Leu Leu Gln Gly Cys Trp Gly Pro Leu Phe  
85 90 95

Leu Leu Gly Leu Ala Gln Asp Ala Val Thr Phe Glu Val Ala Glu Ala  
100 105 110

Pro Val Pro Ser Ile Leu Lys Lys Ile Leu Leu Glu Glu Pro Ser Ser  
115 120 125

Ser Gly Gly Ser Gly Gln Leu Pro Asp Arg Pro Gln Pro Ser Leu Ala  
130 135 140

Ala Val Gln Trp Leu Gln Cys Cys Leu Glu Ser Phe Trp Ser Leu Glu  
145 150 155 160

Leu Ser Pro Lys Glu Tyr Ala Cys Leu Lys Gly Thr Ile Leu Phe Asn  
165 170 175

Pro Asp Val Pro Gly Leu Gln Ala Ala Ser His Ile Gly His Leu Gln  
180 185 190

Gln Glu Ala His Trp Val Leu Cys Glu Val Leu Glu Pro Trp Cys Pro  
195 200 205

Ala Ala Gln Gly Arg Leu Thr Arg Val Leu Leu Thr Ala Ser Thr Leu  
210 215 220

Lys Ser Ile Pro Thr Ser Leu Leu Gly Asp Leu Phe Phe Arg Pro Ile  
225 230 235 240

Ile Gly Asp Val Asp Ile Ala Gly Leu Leu Gly Asp Met Leu Leu Leu  
245 250 255

Arg

<210> 3

<211> 2218

<212> DNA

<213> Homo sapiens

<400> 3

acgagactct ctcctcatt gtctcccgaa cttatcctaa tgcgaaattt 60  
gattctgagc attttagca aaatcgctgg gatctggaga ggaagactca gtccagaatc 120  
ctccccaggcc ctgtaaagtc catctctgac ccaaaaacaat ccaaggaggt agaagacatc 180  
gtagaaggag tgaaagaaga aaagaagact tagaaacata gctcaaagtg aacactgctt 240  
ctcttagttt cctggatttc ttctggacat ttctcaaga tgaaacttca gacacttgg 300  
agtttttttta gaagaccacc ataaagaaag tgcattcaa ttgaaaaatt tggatggat 360  
caaaaatgaa tctcattgaa cattccatt tacctaccac agatgaattt tcttttctg 420  
aaaatttttta tggtgttttta acagaacaag tggcaggctt tctgggacag aacctggaag 480  
tggaaccata ctcgcaatac agcaatgttc agttccca agttcaacca cagatttct 540  
cgtcatccta ttattccaac ctgggtttct acccccagca gcctgaagag tggtaactctc 600  
ctggaatata tgaactcagg cgtatgccag ctgagactctt acccaggaa gaaactgagg 660  
tagcagagat gcctgtaca aagaagcccc gcatggcgc gcagcaggagg aggatcaaag 720  
gggatgagct gtgtgttgg tttggagaca gaggctctgg ataccactat aatgcactga 780  
cctgtgagggt gtgtaaagggt ttcttcagga gaagcattac caaaaacgct gtgtacaagt 840  
gtaaaaacgg gggcaactgt gtgtatggata tgtacatgca aagaaagtgtt caagagtgtc 900  
gactaaggaa atgcaaaagag atggaaatgt tggctgaatg cttgttaact gaaattcagt 960  
gtaaatctaa gcgactgaga aaaaatgtga agcagcatgc agatcagacc gtgaatgaag 1020  
acagtgaagg tcgtgacttg cgacaagtga cctcgacaac aaagtcatgc agggagaaaa 1080  
ctgaactcac cccagatcaa cagactctt tacattttat tatggattca tataacaaac 1140  
agaggatgcc tcaggaaata acaaataaaaa tttaaaaga agaattcagt gcagaagaaa 1200  
attttctcat tttgacggaa atggcaacca atcatgtaca ggttcttgc taattcaca 1260  
aaaagctacc aggatttcag actttggacc atgaagacca gattgttttgc ctgaaagggt 1320  
ctgcgggttgc agctatgttc cttcggttcag ctgagattt caataagaaa ctccgtctc 1380  
ggcattctga cctattggaa gaaagaattt gaaatagtgg tatctctgat gaatatataa 1440  
cacctatgtt tagttttat aaaagtattt gggactgaa aatgactcaa gaggagtatg 1500  
ctctgcttac agcaattgtt atcctgtctc cagatagaca atacataaaag gatagagagg 1560  
cagtagagaa gcttcaggag ccacttcttgc atgtgtaca aaagttgtgt aagattcacc 1620  
agcctgaaaaa tcctcaacac tttgcgttc tcttgggtcg cctgactgaa ttacggacat 1680  
tcaatcatca ccacgctgag atgctgtatg catggagagt aaacgaccac aagtttaccc 1740  
cacttctctg tgaaatctgg gacgtgcagt gatggggatt acaggggagg ggtctagctc 1800  
cttttctctt ctcatattaa tctgtatgtt aactttctt tatttcaactt gtacccagtt 1860  
tcactcaaga aatctgtatg aatattttatg ttgttaattac atgtgtact tccacaactg 1920  
taaatattgg gctagataga acaactttctt ctacatgtt tttaaaagg ctccaggaa 1980  
tcctgcattt taattggcaa gccctgtttt cctaattttt ttgattgttta cttcaattct 2040  
atctgttgc aaaggaaaaa tctcattttgc tctcatcttac catattgtat atattttattt 2100  
aaagagttgtt attcaatctt ggcaataaaag caaacataat ggcaacagaa aaaaaaaaaa 2160  
aaaaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2218

<210> 4

<211> 472

<212> PRT

<213> Homo sapiens

<400> 4

Met Gly Ser Lys Met Asn Leu Ile Glu His Ser His Leu Pro Thr Thr

1 5 10 15

Asp Glu Phe Ser Phe Ser Glu Asn Leu Phe Gly Val Leu Thr Glu Gln

20 25 30

Val Ala Gly Pro Leu Gly Gln Asn Leu Glu Val Glu Pro Tyr Ser Gln

35 40 45

Tyr Ser Asn Val Gln Phe Pro Gln Val Gln Pro Gln Ile Ser Ser Ser  
50 55 60

Ser Tyr Tyr Ser Asn Leu Gly Phe Tyr Pro Gln Gln Pro Glu Glu Trp  
65 70 75 80

Tyr Ser Pro Gly Ile Tyr Glu Leu Arg Arg Met Pro Ala Glu Thr Leu  
85 90 95

Tyr Gln Gly Glu Thr Glu Val Ala Glu Met Pro Val Thr Lys Lys Pro  
100 105 110

Arg Met Gly Ala Ser Ala Gly Arg Ile Lys Gly Asp Glu Leu Cys Val  
115 120 125

Val Cys Gly Asp Arg Ala Ser Gly Tyr His Tyr Asn Ala Leu Thr Cys  
130 135 140

Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Ile Thr Lys Asn Ala Val  
145 150 155 160

Tyr Lys Cys Lys Asn Gly Gly Asn Cys Val Met Asp Met Tyr Met Arg  
165 170 175

Arg Lys Cys Gln Glu Cys Arg Leu Arg Lys Cys Lys Glu Met Gly Met  
180 185 190

Leu Ala Glu Cys Leu Leu Thr Glu Ile Gln Cys Lys Ser Lys Arg Leu  
195 200 205

Arg Lys Asn Val Lys Gln His Ala Asp Gln Thr Val Asn Glu Asp Ser  
210 215 220

Glu Gly Arg Asp Leu Arg Gln Val Thr Ser Thr Thr Lys Ser Cys Arg  
225 230 235 240

Glu Lys Thr Glu Leu Thr Pro Asp Gln Gln Thr Leu Leu His Phe Ile  
245 250 255

Met Asp Ser Tyr Asn Lys Gln Arg Met Pro Gln Glu Ile Thr Asn Lys  
260 265 270

Ile Leu Lys Glu Glu Phe Ser Ala Glu Glu Asn Phe Leu Ile Leu Thr  
275 280 285

Glu Met Ala Thr Asn His Val Gln Val Leu Val Glu Phe Thr Lys Lys  
290 295 300

Leu Pro Gly Phe Gln Thr Leu Asp His Glu Asp Gln Ile Ala Leu Leu  
305 310 315 320

Lys Gly Ser Ala Val Glu Ala Met Phe Leu Arg Ser Ala Glu Ile Phe  
325 330 335

Asn Lys Lys Leu Pro Ser Gly His Ser Asp Leu Leu Glu Glu Arg Ile  
340 345 350

Arg Asn Ser Gly Ile Ser Asp Glu Tyr Ile Thr Pro Met Phe Ser Phe  
355 360 365

Tyr Lys Ser Ile Gly Glu Leu Lys Met Thr Gln Glu Glu Tyr Ala Leu  
370 375 380

Leu Thr Ala Ile Val Ile Leu Ser Pro Asp Arg Gln Tyr Ile Lys Asp  
385 390 395 400

Arg Glu Ala Val Glu Lys Leu Gln Glu Pro Leu Leu Asp Val Leu Gln  
405 410 415

Lys Leu Cys Lys Ile His Gln Pro Glu Asn Pro Gln His Phe Ala Cys  
420 425 430

Leu Leu Gly Arg Leu Thr Glu Leu Arg Thr Phe Asn His His His Ala  
435 440 445

Glu Met Leu Met Ser Trp Arg Val Asn Asp His Lys Phe Thr Pro Leu  
450 455 460

Leu Cys Glu Ile Trp Asp Val Gln  
465 470

<210> 5

<211> 738

<212> DNA

<213> Homo sapiens

<400> 5

tctagaggat gcacttatgt agaatactct cttgaggatg ttaggtgagt aacatgttac 60  
tatatgttgtt aaaatatcta tgattttata aaagcactga aacatgaagc agcagaaatg 120  
tttttcccaag ttctctttcc tctgaacttg atcaccgtct ctctggcaaa gcacctaataat 180  
taattcttctt taaaagtta acaagaccaa attataagct tgatgaataa ctcattctta 240  
tctttcttta aatgattata gtttatgtat ttattagcta tgcccatctt aaacaggttt 300  
atttgttctt ttacacata ccaaactctt aatattagct gttgtccccca ggtccgaaatg 360  
ttaagtcaac atatatttga gagaacttca acttatacaag tattgcaggt ctctgattgc 420  
tttggAACCA cttctgatac ctgtggactt agttcaaggc cagttactac cactttttt 480  
tttctaatag aatgaacaaa tggctaattt gttgtttgtt caaccaagct caagttaatg 540  
gatctggata ctatgtatat aaaaagccta gcttgagtct cttttcagtg gcattccttcc 600  
ctttctaatc agagattttc ttccctcagag atttggcct agatttgc aaatgtgacc 660  
acatcttga ttgggggat tgctatagca gcatgctgtt gtctatggct tattcttgg 720  
attaggagaa ggtaagta 738

<210> 6

<211> 839

<212> DNA

<213> Homo sapiens

<400> 6

ccaattcgcc ctggaggta ggaggcagaca tgacttcaac aaggctatgc ccccttggca 60  
agcatctttg agaccagaga ggaagacaga ctagggaaag aatgaggaga taagcacggg 120  
ctgctgttagt gtccaggggaa gcaaggaaag gtaagagaaa aggcttttagg atactaacta 180  
acatatatgg agcactagca tgagccaggc actattctaa gtgctttca ggtgttatct 240

ctttttgcct cacggacagc acctacaagg cactgttaatt atccctactt cacagatgag 300  
ggagtggagc cacagtgagg ttaacttact tgaccaaggg gccaagtag gaatggaggc 360  
atttgtttag tcttcataag atgaggaaag agtggaaatg agattttta agtgcttgat 420  
tcatttctac caactgaact ggcaaataaa taaaagcatg agtaaatggg ggtataaata 480  
gtctgtcagc tatgggggtg ggagtgggct caaggcaggc tttagagagaa ggtgcaagag 540  
ctgtctgaaa aggtcagagc aaagcatgaa gctggtgagc agctgtgacc atagctggaa 600  
gcttcctctc gagcttctc ctggttaccc ctcctcccc tacgtgacca gtcagccaag 660  
tgttaagtcc agggaaat tttgctgctt ccaagtaactg tctcaactgt gttatggcc 720  
ataacttgcg gccacaggc aaggccagg tgctcagacc tttacatcct ggactttcca 780  
aggcctccca aagctctctg gcacccaggc aacagtgtgc gtgtcgagag agggccggg 839

<210> 7  
<211> 815  
<212> DNA  
<213> Homo sapiens

<400> 7  
ggaggtagga gcagacatga cttcaacaag gtcatacccc cttggcaagc atctttgaga 60  
ccagagagga agacagacta gggaaagaat gaggagataa gcacgggctg ctgtgaggc 120  
caggggagca ggcaaaggta agagaaaagg cttagata ctaactaaca tataatggagc 180  
actagcatga gccaggcact attctaagtg ctttcaaggt gttatctttt ttgcctcac 240  
ggacagcacc tacaaggcac tctaattatc cctacttcac agatgaggga gtggagccac 300  
agtgggtta acttacttga ccaagggggc caagtaggaa tggaggcatt tggtagtct 360  
tctaaagatg agggaaagagt ggaagtgaga tttttaagt gtttgattca ttctaccaa 420  
ctgaactggc aaataaataa aagcatgagt aaatgggggt ataaatagtc tgcagctat 480  
gggggtggga gtggctcaa ggcaggctt gagagaaggt gcaagagctg tctgaaaagg 540  
tcagagcaaa gcatgaagct ggtgagcagc tgtgaccata gctggaaagct tctctctgag 600  
cttctcctg gttacctctt cctccctac gtgaccagtc agccaagtgt taagtccagg 660  
ggaacatttt gctgcttcca agtactgtct cactagtgtt atttgccata acttgccggcc 720  
acagggcaag gtccaggtgc tcagaccctt acatccctgga ctttccaagg cctccaaag 780  
ctctctggca cccagggaaac agtgtgcgtg tcgag 815

<210> 8  
<211> 1399  
<212> DNA  
<213> Homo sapiens

<400> 8  
cacaagctct gagaatctca ggctctggc gtgcaattgg gccagtgggt ccagggaaac 60  
aaacaaggac ttggagtca ggcaagatct gggcttgc ttccctgggt gatgacccctt 120  
ggcaagtccat tttagctttt tttagtctcat aaagtaagaa tctagccctt ggaagaggct 180  
gcaatatttta gagtggaaag tgcctgacac ataataagtg cttagagaat ggcaaccata 240  
tatatacata tataatatata tataatgtatg tatgtatgtg tataatata tacacatata 300  
catataaataa tacatataca tatacatata catatacata tataattttt tgagacagga 360  
tcttgctctg ttgcccaggc tggagagcagc tggcatgatc tcagctact gtaacctctg 420  
cctcccaaggc tcgagtgatt ctggcttccctt agcctctaga gtagctgggca ctacaggcac 480  
atgccaccat gcccggctaa tttttgtatt tttagtagag acgggatttt gccatgttgg 540  
ccaggctggc cttgaactcc tgacccctt tgatccccctt tcctcagccct cccaaagtgc 600  
tgggattaca ggcatgagcc accgtgcccc gctggcaact atcttttattt ataaattctgt 660  
gagttcttctt cagcagaccc tgccttccat gagggttgg aatcaggctg gggataagga 720  
ttctgaagga ctttccctt gcaaggggcc cagaactgga atcagaggag gaggccctt 780  
agattggaca gtggccaaag tcttccccc ccccagggtc ctggctccct tccctgttagc 840  
ctgcttctgg ctgacaacag aagcaggccc ccaaggtagt gcaaacaagc tagtgataag 900  
gcacttccag gttggccctt gcatcaagg cccaccaggc tctggggctg gcttcctggc 960  
ttagcaaaag cccttagtctt ttgtgcacac aagagccggc accaatgggg acacctgctg 1020

attgtgcacc tggggccttg gtgccctggt acagcctgag ttaatgacct tgtttatcca 1080  
ctttagtcat ctgataaggg gcagctgagt gagcggcagg tggccctgtg ccctgcaccc 1140  
gccacttcat tgactgaggt gatatcagtg ccacgtgggg ttcccaatgc cccctcccc 1200  
accacttccc caccattcct gccaggggca atgtctgtgt gttttttca atgaacatga 1260  
cttctggagt caaggttgtt gggccattcc ccccggttcca ctcaactggga atataaata 1320  
cacccacagc gcagaacaca gagccagaga gctggaagtg agagcagatc cctaaccatg 1380  
agcaccagcc aaccagggg 1399